

INTERNATIONAL SEARCH REPORT

ional Application No

GB2004/002348

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01P21/00 G01P15/16 B60K41/00 F16H59/48 B60T8/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01P B60K F16H B60T

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 013 523 A (TOYOTA MOTOR CO LTD) 28 June 2000 (2000-06-28) paragraphs '0040!', '0041!', '0051!', '0055!', '0056! -----	1,8
A	EP 1 085 312 A (AVL LIST GMBH) 21 March 2001 (2001-03-21) paragraphs '0009! - '0013! figures paragraphs '0021! - '0026! -----	1,8
A	WO 99/46604 A (BOSCH GMBH ROBERT ; HECKMANN HANS (DE); WINNER HERMANN (DE)) 16 September 1999 (1999-09-16) page 2, paragraph 2 - page 4, paragraph 3; figure ----- -/--	1,8



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

2 September 2004

Date of mailing of the international search report

13/09/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Pflugfelder, G

INTERNATIONAL SEARCH REPORT

International Application No

GB2004/002348

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DE 43 28 893 A (HITACHI LTD) 10 March 1994 (1994-03-10) page 5, paragraph 2 - page 7, paragraph 2; figure 4</p> <p style="text-align: center;">-----</p>	1,8

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

/GB2004/002348

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1013523	A	28-06-2000	JP 2000177556 A	27-06-2000
			EP 1013523 A2	28-06-2000
			US 6305760 B1	23-10-2001
EP 1085312	A	21-03-2001	AT 3930 U1	25-10-2000
			EP 1085312 A2	21-03-2001
			JP 3390871 B2	31-03-2003
			JP 2001108579 A	20-04-2001
			US 6598467 B1	29-07-2003
WO 9946604	A	16-09-1999	DE 19810213 A1	23-09-1999
			WO 9946604 A1	16-09-1999
			EP 1034433 A1	13-09-2000
			JP 2001526789 T	18-12-2001
			US 6349255 B1	19-02-2002
DE 4328893	A	10-03-1994	JP 6074320 A	15-03-1994
			DE 4328893 A1	10-03-1994
			US 5925087 A	20-07-1999
			JP 3548692 B2	28-07-2004
			JP 11325227 A	26-11-1999
			JP 3126525 B2	22-01-2001
			JP 6147304 A	27-05-1994
			JP 2004108589 A	08-04-2004